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(Not for submission under 37 CFR 1.99)

Application Number 08978636

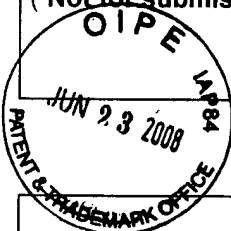
Filing Date 1997-11-25

First Named Inventor Rabbani

Art Unit 1635

Examiner Name A. Bowman

Attorney Docket Number Enz-53-D3

**U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6538107		3/25/03	Hinuma	
	2	5736387		4/7/98	Paul	
	3	5734039		3/31/98	Calabretta	
	4	5712384		1/27/98	Symonds	
	5	5693463		12/2/97	Edwards	
	6	5646032		7/8/97	ter Meulen	
	7	5633152		5/27/97	McKnight	
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	9	5587308		12/24/96	Carter	
	10	5583020		12/10/96	Sullivan	
	11	5521291		5/28/96	Curiel	
	12	5480792		1/2/96	Buechler	
	13	5413999		5/9/95	Vacca	
	14	5288609		2/22/94	Engelhardt	
	15	5260433		11/9/93	Engelhardt	
	16	5241060		8/31/93	Engelhardt	
	17	5166320		11/24/92	Wu	
	18	5128256		7/7/92	Huse	
	19	4843122		6/27/89	Stavrianopoulos	

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	20	4716112		12/29/87	Panayotatos	
	21	4711955		12/8/87	Ward	
	22	4795706		1/3/89	Hsiung	
	23	4707440		11/17/87	Stavrianopoulos	
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	1	WO9526200			10/5/95	Williams		<input type="checkbox"/>

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	2	WO9508635			3/30/95	Craig		<input type="checkbox"/>
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	1	VERMA et al. "Gene therapy -- promises, problems and prospects" Nature 389: 239-242. 1997	<input type="checkbox"/>
	2	FISHER "Neural precursor cells: applications for the study and repair of the central nervous system" Neurobiology of Disease 4: 1-22. 1997	<input type="checkbox"/>
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7	ROSSI, "Controlled, targeted, intracellular expression of ribozymes: progress and problems" Trends Biotechnol. 13: 301-306. 1995	<input type="checkbox"/>
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18	YU et al. "Progress towards gene therapy for HIV infection" Gene Therapy 1: 13-16 1994	<input type="checkbox"/>
19	VIEILLARD et al. "Blocking of rteroviral infection at a step prior to reverse transcription in cells transformed to constitutively express interferon beta" Proc. Natl. Acad. Sci. USA 91: 2689-2693 1994	<input type="checkbox"/>
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29	LIEBER et al. "Stable high-level gene expression in mammalian cells by T7 phage RNA polymerase" Methods Enzymol. 217: 47-66 1993	<input type="checkbox"/>
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34	CRISTIANO et al. "Hepatic gene therapy: adenovirus enhancement of receptor-mediated gene delivery and expression in primary hepatocytes" Proc. Natl. Acad. Sci. USA 90: 2122-2126. 1993	<input type="checkbox"/>
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40	MUZYCZKA "Use of adeno-associated virus as a general transduction vector for mammalian cells" Curr Top Microbiol and Immunol 158: 97-129. 1992	<input type="checkbox"/>
41	IZANT "Chimeric Antisense RNAs" in Gene Regulation: Biology of Antisense RNA and DNA pp 183-195. Raven Press, Ltd. New York 1992	<input type="checkbox"/>
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44	FANGER et al. "Bispecific antibodies" Crit Rev Immunol 12: 101-124 .1992	<input type="checkbox"/>
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46	CHEN et al. "Inhibition of HIV-1 replication by novel multitarget ribozymes" in Antisense Strategies, Annals NY Acad. Sci. 660: 271-273. 1992	<input type="checkbox"/>
47	BURKLY et al., "Inhibition of HIV infection by a novel CD4 domain 2-specific monoclonal antibody. Dissecting the basis for its inhibitory effect on HIV-induced cell fusion" J. Immunol. 149: 1779-1787. 1992	<input type="checkbox"/>
48	SCZAKIEL et al., "Inhibition of human immunodeficiency virus type 1 replication in human T cells stably expressing antisense RNA" J. Virol 65: 468-472. 1991	<input type="checkbox"/>
49	PILCH et al. "Expression of histone-U1 snRNA chimeric genes: U1 promoters are compatible with histone 3' end formation" Gene Expression 1: 41-53. 1991	<input type="checkbox"/>
50	MCBURNEY et al., "The mouse Pkg-1 gene promoter contains an upstream activator sequence" Nucleic Acids Res. 19: 5755-5761. 1991	<input type="checkbox"/>



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**CERTIFICATION STATEMENT**

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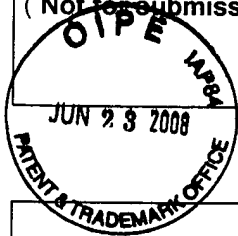
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1	LAURENCE et al. "Induction of chronic human immunodeficiency virus infection is blocked in vitro by a methylphosphonate oligodeoxynucleoside targeted to a U3 enhancer element" J. Virol. 65: 213-219. 1991	<input type="checkbox"/>
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12	YOSHIMATSU et al. "Control of gene expression by artificial introns in Saccharomyces cerevisiae" Science 244: 1346-1348. 1989	<input type="checkbox"/>
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23	SAIKI et al. "Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase." Science 239: 487-491. 1988	<input type="checkbox"/>
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Filing Date	11/25/97
First Named Inventor	Rabbani
Art Unit	1635
Examiner Name	A. Bowman
Attorney Docket Number	Enz-53-D3

34	MORRIS et al. "Cloning and expression of the bacteriophage T3 RNA polymerase gene" Gene 41: 193-200. 1986	<input type="checkbox"/>
35	KOZAK "Point mutations define a sequence flanking the AUG initiator codon that modulates translation by eukaryotic ribosomes" Cell 44: 283-292. 1986	<input type="checkbox"/>
36	JABLONSKI et al. "Preparation of oligodeoxynucleotide-alkaline phosphatase conjugates and their use as hybridization probes" Nucleic Acids Res. 14: 6115-6128. 1986	<input type="checkbox"/>
37	ERITJA et al. "Synthesis and properties of oligonucleotides containing 2'-deoxynebularine and 2'-deoxyxanthosine" Nucleic Acids Res 14: 8135-8153. 1986	<input type="checkbox"/>
38	DAVIS et al., "Basic Methods in Molecular Biology" Elsevier, NY 1986	<input type="checkbox"/>
39	ARGOS et al. "The integrase family of site-specific recombinases: regional similarities and global diversity" EMBO J. 5: 433-440. 1986	<input type="checkbox"/>
40	AGRAWAL et al. "Efficient methods for attaching non-radioactive labels to the 5' ends of synthetic oligodeoxyribonucleotides" Nucleic Acids Res. 14: 6227-6245. 1986	<input type="checkbox"/>
41	SAIKI et al., "Enzymatic amplification of beta-globin genomic sequences and restriction site analysis for diagnosis of sickle cell anemia" Science 230: 1350-1354. 1985	<input type="checkbox"/>
42	CHU et al. "In vitro expression of the intron-containing gene for T4 phage thymidylate synthase" J. Biol. Chem. 260: 10680-10688. 1985	<input type="checkbox"/>
43	PERBAL, "A Practical Guide to Molecular Cloning" John Wiley & Sons, New York, 1984	<input type="checkbox"/>
44	MELTON "Efficient in vitro synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" et al. Nucleic Acids Res. 12: 7035-7056. 1984	<input type="checkbox"/>

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45	KALDERON et al., "A short amino acid sequence able to specify nuclear location." Cell 39: 499 1984	<input type="checkbox"/>
46	DAVANLOO et al. "Cloning and expression of the gene for bacteriophage T7 RNA polymerase" Proc. Natl. Acad. Sci. USA 81: 2035-2039. 1984	<input type="checkbox"/>
47	CHU et al. "Intervening sequence in the thymidylate synthase gene of bacteriophage T4" Proc. Natl. Acad. Sci. USA 81: 3049-3053. 1984	<input type="checkbox"/>
48	DUNN et al., "Complete nucleotide sequence of bacteriophage T7 DNA and the locations of T7 genetic elements" J. Mol. Biol. 166: 477-535. 1983	<input type="checkbox"/>
49	MOUNT "A catalogue of splice junction sequences" Nucleic Acids Res. 10: 459-472. 1982	<input type="checkbox"/>
50	MANSEY et al., Human U1 loci: genes for human U1 RNA have dramatically similar genomic environments" Cell: 29: 257-264. 1982	<input type="checkbox"/>

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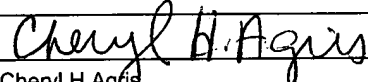
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- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2008-06-19
Name/Print	Cheryl H Agtis	Registration Number	34086

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1	MANIATIS et al. Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory Press, 1982	<input type="checkbox"/>
2	RUOSLAHTI et al. "Alignment of biologically active domains in the fibronectin molecule" J. Biol. Chem. 256: 7277-7281. 1981	<input type="checkbox"/>
3	ANDERSON et al. "Structure of the cro repressor from bacteriophage lambda and its interaction with DNA" Nature 290: 754-758. 1981	<input type="checkbox"/>
4	ROYCHOUDHURY et al. "Influence of nucleotide sequence adjacent to duplex DNA termini on 3' terminal labeling by terminal transferase " Nucleic Acids Res. 6: 1323-1333. 1979	<input type="checkbox"/>
5	RIGBY et al. "Labeling deoxyribonucleic acid to high specific activity in vitro by nick translation with DNA polymerase I" J. Mol. Biol. 113: 237-251. 1977	<input type="checkbox"/>
6	RAFESTIN et al. "Purification of N-acetyl D-glucosamine-binding proteins by affinity chromatography" FEBS Letters 40: 62-66. 1974	<input type="checkbox"/>
7	STAVRIANOPOULOS et al. "Mechanism of DNA replication by highly purified DNA polymerase of chicken embryo" Proc. Natl. Acad. Sci. USA 69: 2609-2613. 1972	<input type="checkbox"/>
8	SOEIRO et al. "Competition hybridization by "pre-saturation" of HeLa cell DNA" J. Mol. Biol. 44: 551-562. 1969	<input type="checkbox"/>
9	Definitions for "compound", "polymer", "monomer" on 2005-10-19 from www.cancerweb.ncl.ac.uk	<input type="checkbox"/>

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